

IN THE CLAIMS:

Please amend claims 14 and 15 as follows, wherein insertions are underlined and deletions are indicated with strikethrough. The following list of claims replaces all previous versions, and listings of claims in the application.

Claim 1. (Previously Presented) A wireless network system for use with two vehicles, said system comprising:

a first relay device including first and second Bluetooth® modules, each of the first and second Bluetooth® modules capable of performing a cable communication irrespective of which is a master or slave, wherein said relay device is configured to be mounted to a first vehicle of said two vehicles; and

at least one first wireless terminal including a third Bluetooth® module,
wherein the first and third Bluetooth® modules structure a first piconet in which the first Bluetooth® module is a master, and the third Bluetooth® module is a slave,
the second Bluetooth® module structures a second piconet;
and wherein the first piconet and the second piconet structure a network.

Claim 2. (Previously Presented) The wireless network system according to claim 1, comprising:

a second relay device including a fourth Bluetooth® module, wherein said second relay is configured to be mounted to a second vehicle of said two vehicles; and
at least one second wireless terminal including a fifth Bluetooth® module,
wherein the second, fourth, and fifth Bluetooth® modules structure a second piconet in

which the fourth Bluetooth® module is a master, and the second and fifth Bluetooth® modules are slaves.

Claim 3. (Previously Presented) The wireless network system according to claim 1, comprising:

 a second relay device including fourth and sixth Bluetooth® modules, each of the fourth and sixth Bluetooth® modules capable of performing a cable communication irrespective of which is a master or slave, wherein said second relay device is configured to be mounted to a second vehicle of said two vehicles;

 at least one second wireless terminal including a fifth Bluetooth® module;

 the second and fourth Bluetooth® modules structure a third piconet in which the fourth Bluetooth® module is a master, and the second Bluetooth® module is a slave;

 wherein the fifth and sixth Bluetooth® modules structure a third piconet in which the sixth Bluetooth® module is the master, and the fifth Bluetooth® module is the slave; and

 wherein the first, second, and third piconets structure a network.

Claim 4. (Original) The wireless network system according to claim 1, wherein the first and third Bluetooth® modules communicate with each other with transmission electricity conforming to a class 2 or 3 of a Bluetooth® standard.

Claim 5. (Original) The wireless network system according to claim 2, wherein the second, fourth, and fifth Bluetooth® modules communicate with one another with transmission electricity conforming to a class 1 of a Bluetooth® standard.

Claim 6. (Original) The wireless network system according to claim 5, wherein the fifth Bluetooth® module includes means for restricting transmission electricity.

Claim 7. (Original) The wireless network system according to claim 3, wherein the second and fourth Bluetooth® modules communicate with each other with transmission electricity conforming to a class 1 of a Bluetooth® standard.

Claim 8. (Original) The wireless network system according to claim 3, wherein the fifth and sixth Bluetooth® modules communicate with each other with transmission electricity conforming to a class 2 or 3 of a Bluetooth® standard.

Claim 9. (Original) The wireless network system according to claim 1, wherein an SCO link or an ACL link is established between the Bluetooth® modules.

Claim 10. (Original) The wireless network system according to claim 1 or 2, wherein, in the first relay device, the first and second Bluetooth® modules are controlled by common control means.

Claim 11. (Original) The wireless network system according to claim 10, wherein the first and second Bluetooth® modules and the control means are connected together via a bus.

Claim 12. (Original) The wireless network system according to claim 3, wherein, in the second

relay device, the fourth and sixth Bluetooth® modules are controlled by common control means.

Claim 13. (Original) The wireless network system according to claim 12, wherein the fourth and sixth Bluetooth® modules and the control means are connected together via a bus.

Claim 14. (Currently Amended) A wireless communications method in a wireless network system constructed by a plurality of Bluetooth® terminals for use on two vehicles, wherein the system comprises:

a first relay device including first and second Bluetooth® modules, each of the Bluetooth® modules performs a cable communication irrespective of which is a master/slave, wherein said first relay device is configured to be mounted to [[on]] a first vehicle of said two vehicles; and

at least one first wireless terminal including a third Bluetooth® module, and
in the method,

the first and third Bluetooth® modules communicate with each other on a first piconet in which the first Bluetooth® module is a master, and the third Bluetooth® module is a slave,

the second Bluetooth® module communicates with any one of the other Bluetooth® modules on a second piconet, and

the first Piconet and the other piconet structure a network.

Claim 15. (Currently Amended) The wireless communications method in a wireless network system according to claim 14, wherein

the system comprises:

a second relay device including a fourth Bluetooth® module, said second relay device being configured to be mounted on a second vehicle of said two vehicles; and

at least one second wireless terminal including a fifth Bluetooth® module, and
in the method,

the second, fourth, and fifth Bluetooth® modules communicate with one another on a second piconet in which the fourth Bluetooth® module is a master, and the second and fifth Bluetooth® modules are slaves, and

the first and second piconets structure a network.

Claim 16. (Previously Presented) The wireless communications method in a wireless network system according to claim 14, wherein

the system comprises:

a second relay device including fourth and sixth Bluetooth® modules, and each of the Bluetooth® modules performs a cable communication irrespective of which is a master/slave, wherein said second relay device is configured to be mounted on a second vehicle; and

at least one second wireless terminal including a fifth Bluetooth® module, and
in the method,

the second and fourth Bluetooth® modules communicate with one another on a third Piconet in which the fourth Bluetooth® module is a master, and the second Bluetooth® module is a slave,

the fifth and sixth Bluetooth® modules communicate with each other on a third piconet in which the sixth Bluetooth® module is the master, and the fifth Bluetooth® module is the

slave, and

the first, second, and third piconets structure a network.

Claim 17. (Original) The wireless communications method in a wireless network system according to claim 14, wherein the first and third Bluetooth® modules communicate with each other with transmission electricity conforming to a class 2 or 3 of a Bluetooth® standard.

Claim 18. (Original) The wireless communications method in a wireless network system according to claim 15, wherein the second, fourth, and fifth Bluetooth® modules communicate with one another with transmission electricity conforming to a class 1 of a Bluetooth® standard.

Claim 19. (Original) The wireless communications method in a wireless network system according to claim 18, wherein the fifth Bluetooth® module restricts transmission electricity.

Claim 20. (Original) The wireless communications method in a wireless network system according to claim 16, wherein the second and fourth Bluetooth® modules communicate with each other with transmission electricity conforming to a class 1 of a Bluetooth® standard.

Claim 21. (Original) The wireless communications method in a wireless network system according to claim 16, wherein the fifth and sixth Bluetooth® modules communicate with each other with transmission electricity conforming to a class 2 or 3 of a Bluetooth® standard.

Claim 22. (Original) The wireless communications method in a wireless network system according to claim 14, wherein an SCO link or an ACL link is established between the Bluetooth® modules.

Claim 23. (Original) The wireless communications method in a wireless network system according to claim 14 or 15, wherein, in the first relay device, the first and second Bluetooth® modules are controlled by common control means.

Claim 24. (Original) The wireless communications method in a wireless network system according to claim 23, wherein the first and second Bluetooth® modules and the control means are connected together via a bus.

Claim 25. (Original) The wireless communications method in a wireless network system according to claim 16, wherein, in the second relay device, the fourth and sixth Bluetooth® modules are controlled by common control means.

Claim 26. (Original) The wireless communications method in a wireless network system according to claim 25, wherein the fourth and sixth Bluetooth® modules and the control means are connected together via a bus.